

**ABSTRACT**

A method for overcoming mild to moderate immune suppression includes the steps of inducing production of naïve T-cells and restoring T-cell immunity. A method of vaccine immunotherapy includes the steps of inducing production of naïve T-cells and exposing the naïve T-cells to endogenous or exogenous antigens at an appropriate site. Additionally, a method for unblocking immunization at a regional lymph node includes the steps of promoting differentiation and maturation of immature dendritic cells at a regional lymph node and allowing presentation of processed peptides by resulting mature dendritic cells, thus, for example, exposing tumor peptides to T-cells to gain immunization of the T-cells. Further, a method of treating cancer and other persistent lesions includes the steps of administering an effective amount of a natural cytokine mixture as an adjuvant to endogenous or exogenous administered antigen to the cancer or other persistent lesions.